

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Previously Presented) A high-voltage insulation system for electrical insulation of components whose operating temperature is below ambient temperature comprising a coolant and a solid material having a cured polymer matrix and a base fabric, wherein the base fabric comprises cellulose.

Claim 2 (Previously Presented) The high-voltage insulation system as claimed in claim 1, wherein the coolant comprises liquid nitrogen and the components contain high-temperature superconductor material.

Claim 3 (Previously Presented) The high-voltage insulation system as claimed in claim 1, wherein, in order to make the components mechanically robust, the base fabric is in the form of pressboards.

Claim 4 (Previously Presented) The high-voltage insulation system as claimed in claim 3, wherein the base fabric comprises a laminate having at least two layers of pressboards, which are separated by at least one intermediate layer.

C' Claim 5 (Previously Presented) The high-voltage insulation system as claimed in claim 4, wherein the intermediate layer comprises a fabric composed of cotton, nylon or polyethylene fibers.

Claim 6 (Previously Presented) The high-voltage insulation system as claimed in claim 1, wherein, in order to grade electrical fields, carbon in the form of fibers or fabrics is added to the base fabric ~~or to the intermediate layer~~.

Claim 7 (Currently Amended) The high-voltage insulation system as claimed in claim 1, wherein, for mechanical reinforcement glass fibers in the form of fibers or fabrics are added to the base fabric ~~or to the intermediate layer~~.

Claim 8 (Withdrawn) A method for producing a high-voltage insulation system comprising a coolant and a solid material having a cured polymer matrix and a base fabric, wherein a base fabric comprising cellulose is formed in the dry state as a pressboard and is then impregnated with a polymer resin.

Claim 9 (Withdrawn) The method as claimed in claim 8, wherein the pressboard has a thickness d , and a minimum radius of curvature R , and in that the ratio R/d is less than 150.

Claim 10 (Withdrawn) The method as claimed in claim 8, wherein the formed pressboard forms a coil former on which at least one winding of a superconducting conductor is wound, and the coil former and the winding are then impregnated jointly.

Claim 11 (New) The high-voltage insulation system as claimed in claim 4, wherein, in order to grade electrical fields, carbon in the form of fibers or fabrics is added to the intermediate layer.
